

Water-Data Report 2008

404749074402801 Local number 272191- Black River 2

 Piedmont and Blue Ridge crystalline-rock aquifers
 Precambrian Erathem

Morris County, NJ

LOCATION.--Lat 40°47'49", long 74°40'28" referenced to North American Datum of 1983, Chester Township, Morris County, NJ, Hydrologic Unit 02030105, on North Road, across from Black River School.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 265 ft. Upper casing diameter 8 in; top of first opening 59 ft, bottom of last opening 265 ft.

DATUM.--Land-surface datum is 850 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--WY 2008.

REMARKS.--Middle Proterozoic Metamorphic rock.

COOPERATION.--Water-quality samples were collected as part of the North New Jersey Radionuclide Project, in cooperation with the New Jersey State Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 4

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Time	Sample medium and type	Turbidity white light, det ang 90+/30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfiltrd field, std units (00400)	Speci- fic conduc- tance, wat unf μS/cm (00095)	Temper- ature, air, 25 degC (00095)	Temper- ature, water, deg C (00020)	Temper- ature, water, deg C (00010)
Oct 09...	1325	Ground water, regular	.3	740	8.3	5.4	162	21.0	11.5	
09...	1325	QC - Ground water, replicate	--	--	--	--	--	--	--	--

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 4

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Calcium water, filtrd, mg/L (00915)	Chlor- ide, water, filtrd, mg/L (00940)	Silica, water, filtrd, mg/L as SiO2 (00955)	Sulfate water, filtrd, mg/L (00945)	Ammonia water, filtrd, mg/L as N (00608)	Nitrate + nitrite water, filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as P (00613)	Ortho- phosphate, water, filtrd, mg/L as P (00671)	E coli, Defined Substr. Tech., water, MPN/ 100 mL (50468)	Total coli- form, Defined Substr. Tech., water, MPN/ 100 mL (50569)	Arsen- ate, water, filtrd, μg/L (62453)	Arsenic water, filtrd, μg/L (01000)	Arsen- ite, water, filtrd, μg/L (62452)
Oct 09...	12.9	24.7	20.2	5.00	<.020	4.32	<.002	.018	<1	<1	<.2	<.06	<.2
09...	--	--	--	--	--	--	--	--	--	--	--	--	--

404749074402801 Local number 272191- Black River 2—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 4

[QC, quality control sample. Remark codes: <, less than; E, estimated.]

Date	Barium, water, fltrd, μg/L (01005)	Iron, water, fltrd, μg/L (01046)	Mangan- ese, water, fltrd, μg/L (01056)	Stront- ium, water, fltrd, μg/L (01080)	Alpha radioac 2-sigma 72 hr, wat flt Th-230, pCi/L (62637)	Alpha radioac 2-sigma 72 hr, wat flt Th-230, pCi/L (62638)	Alpha radioac 2-sigma 72 hr, wat flt Th-230, pCi/L (62636)	Ra-226 2-sigma Ra-226 water, MDC, filtrd, pCi/L (99324)	Ra-226 2-sigma Ra-226 water, MDC, filtrd, pCi/L (99325)	Ra-228 2-sigma Ra-228 water, unfltrd, gamma count, pCi/L (50837)	Ra-228 2-sigma Ra-228 water, MDC, filtrd, pCi/L (99326)
Oct											
09...	8.3	27	2.5	57.9	.69	.58	.844	.4400	.17	.4400	E.02
09...	--	--	--	--	.70	.58	.878	--	.49	.4400	E.35

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 4

[QC, quality control sample. Remark codes: <, less than;
E, estimated.]

Date	Rn-222			
	Ra-228, water, unfltrd gamma count, pCi/L (50839)	count- ing error, water, unfltrd pCi/L (82302)	Rn-222, water, filtrd, pCi/L (82305)	Uranium natural water, filtrd, μg/L (22703)
Oct				
09...	<.84	200	7,190	.21
09...	--	--	--	--